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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

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Jawaharlal Nehru

“Step Out From the Old to the New”

IS 7230 (1974): Plain Spool For Tractor Operated Disc
Harrows [FAD 21: Farm Implements and Machinery]

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Satyanaaran Gangaram Pitroda

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“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”



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Indian Standard

SPECIFICATION FOR PLAIN SPOOL FOR TRACTOR OPERATED DISC HARROWS

1. Scope — Specifies material, dimensions and other requirements for plain spool for tractor operated disc harrows (see IS : 6635-1972 Tractor operated disc harrows).

2. Types

Type A — Spools with hole for square axle.

Type B — Spools with hole for oil bath axle assembly.

3. Material — Cast iron, preferably conforming to Grade 20 of IS : 210-1970 Grey iron castings (second revision).

4. Hardness — 160 to 220 HB (see IS : 1789-1961 Method for Brinell hardness test for grey cast iron).

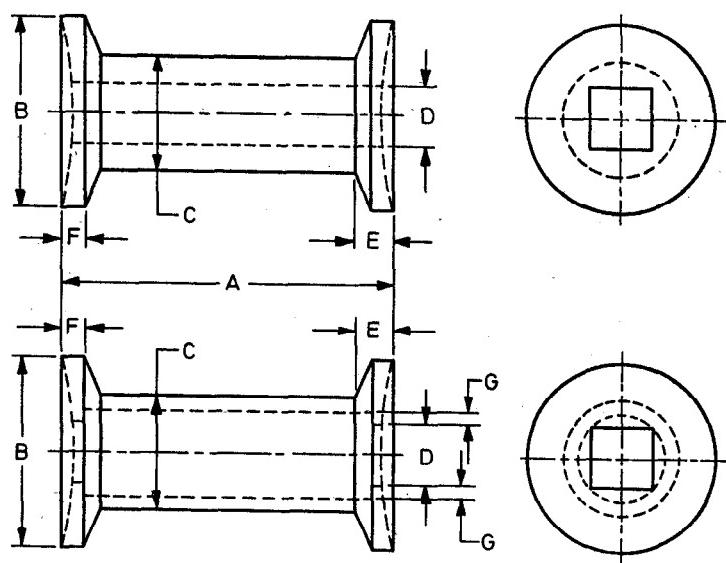
5. Dimensions — As given in Fig. 1 and 2.

6. Other Requirements

6.1 Both the faces of the spool coming in contact with discs shall be finished properly to fit the curvature of the discs.

6.2 The hole for axle shall be smooth and free from casting projections.

6.3 The spools shall be free from cracks, seams and other visual defects.



A ± 2	B ϕ ± 2	C ϕ ± 2	D ± 1	E ± 2	F ± 2	G ± 1
175, 225	100, 115	60, 65	27, 30, 32, 34	20, 25	12	6

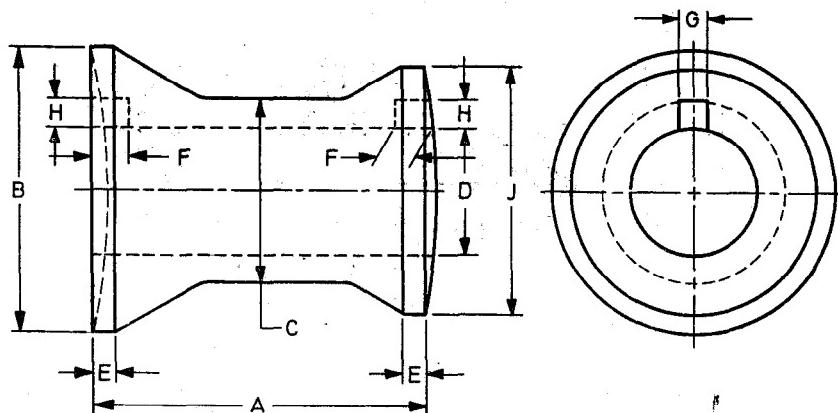
All dimensions in millimetres.

FIG. 1 PLAIN SPOOL (TYPE A)

Adopted 28 February 1974

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Price Rs. 2.00



A ± 2	B $\phi \pm 2$	C $\phi \pm 2$	D $\phi \pm 1$	E ± 2	F ± 2	G $+1.0$ -0	H $+1.0$ -9	J $\phi \pm 2$
175, 225	150, 160	95	66	12	20, 30	15, 16	15, 18	130, 140

All dimensions in millimetres.

FIG. 2 PLAIN SPOOL (TYPE B)

6.4 The spool shall be free from rust and shall have protective coating which will prevent surface deterioration in transit and storage.

7. Marking — Each spool shall be marked clearly with the following particulars:

- a) Manufacturer's name or recognized trade-mark (if any),
- b) Type, and
- c) Batch or code number.

7.1 ISI Certification Marking — Details available with the Indian Standards Institution.

8. Packing — As agreed to between the purchaser and the supplier.

9. Sampling — Unless otherwise agreed to between the manufacturer and the purchaser, the sampling and criteria for lot acceptance shall be done in accordance with 3 of IS : 7201-1974 ' Method of sampling of agricultural machinery and tractors '. The classification of different requirements of this specification for the purpose of sampling for lot acceptance is given below for guidance:

- a) Dimensional and visual requirements — See 5 and 6.
- b) Other than visual and dimensional — See 4.